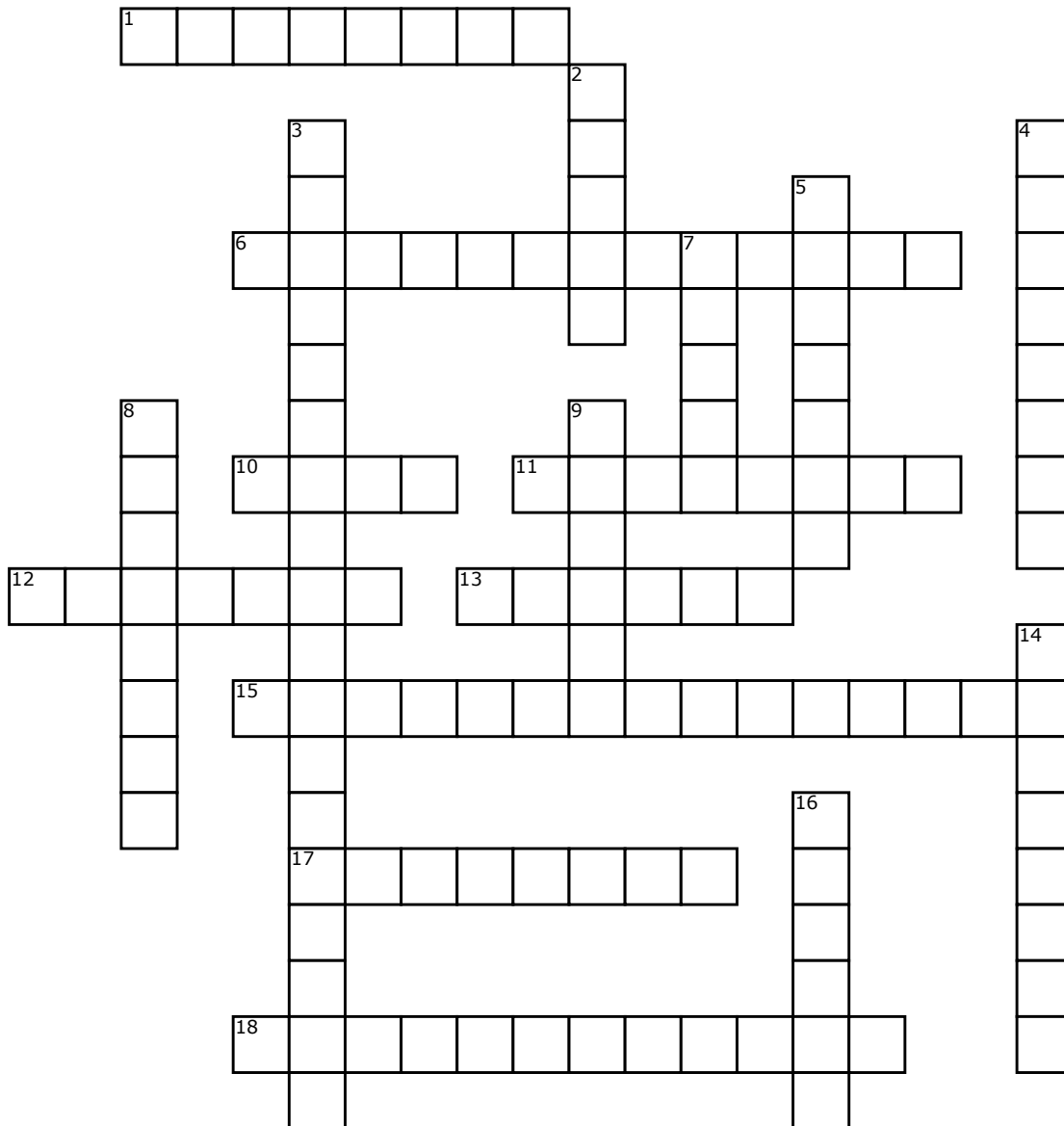


Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Force and Motion



## **Across**

**1.** The combination of all forces acting on an object

**6.** Force that doesn't cause a change in motion

**10.** The amount of matter in an object

**11.** Product of mass and velocity of an object

**12.** The tendency of an object to resist any change in motion

**13.** A measure of the gravitational force exerted on an object

**15.** Forces that are not equal or opposite; causing a change in motion

**17.** A force that opposes motion between two touching surfaces

**18.** Rate at which velocity changes overtime

## **Down**

**2.** Distance traveled by an object divided by time taken for the object to travel that distance

**3.** A force that attracts any object with mass

**4.** How much ground an object has covered

**5.** A force of attraction between objects that is due to their mass

**7.** A push or pull of an object in order to change the direction of the object

**8.** The motion of a body when only the force of gravity is acting on the body

**9.** A change in the position of an object

**14.** The speed of an object in a particular direction

**16.** The unit for force